

LAMPIRAN A
SERTIFIKAT MENCIT JANTAN PUTIH GALUR BALB/C

Drh Rachmad Priyadi
Pternakan Tikus
Tlp : 085706511245 / 081325941001


Surat Keterangan
No : 01/IX/2014

Yang bertanda tangan dibawah ini :

| | |
|--------------------|---|
| Nama | : Drh. Rachmad Priyadi |
| Menerangkan : | |
| Jenis | : Mencit Mus Musculus |
| Strain | : Balb / c |
| Umur | : \pm 2 – 3 bulan |
| Jenis Kelamin | : Jantan |
| Berat | : 20 – 30 gram |
| Kondisi | : Sehat dan tidak terjerakit penyakit |
| Jumlah | : 110 ekor |
| Ditujukan kepada : | |
| Mahasiswa | : Oktovianus Mario Brio, Fakultas Farmasi |
| | Unika. Widya Mandala Surabaya |

Demikian surat keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya

Surabaya, 01 September 2014


(Drh. Rachmad Priyadi)

LAMPIRAN B
DOKUMENTASI PENELITIAN



Gambar 1 : Mencit sebagai hewan coba



Gambar 2 : Mencit saat dipuasakan



Gambar 3: *T Maze Labyrinth*
Laboratorium Psikologi



Gambar 4 : *T Maze Labyrinth*
Laboratorium Hewan



Gambar 5: Mencit setelah diberi
perlakuan puasa selama 1 bulan



Gambar 6 : Proses uji fungsi memori

LAMPIRAN C
HASIL PERHITUNGAN STATISTIK *TWO WAY ANOVA*

Test of Between-Subjects Effect

Dependent Variable: Berat Badan

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 377.508 ^a | 10 | 37.751 | 10.251 | .000 |
| Intercept | 27043.840 | 1 | 27043.840 | 7343.738 | .000 |
| Kelompok | 275.130 | 6 | 45.855 | 12.452 | .000 |
| Minggu | 102.378 | 4 | 25.595 | 6.950 | .001 |
| Error | 88.382 | 24 | 3.683 | | |
| Total | 27509.730 | 35 | | | |
| Corrected Total | 465.890 | 34 | | | |

Tests of Between-Subjects Effects

Dependent Variable: waktu (fungsi memori)

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|--------------------------|----|-------------|----------|------|
| Corrected Model | 1214003.012 ^a | 13 | 93384.847 | 28.613 | .000 |
| Intercept | 3483675.458 | 1 | 3483675.458 | 1067.382 | .000 |
| Tmaze | 2030.276 | 1 | 2030.276 | .622 | .434 |
| Kelompok | 1201047.300 | 6 | 200174.550 | 61.333 | .000 |
| tmaze * | 10967.860 | 6 | 1827.977 | .560 | .760 |
| kelompok | | | | | |
| Error | 176242.913 | 54 | 3263.758 | | |
| Total | 4759492.816 | 68 | | | |
| Corrected Total | 1390245.925 | 67 | | | |

LAMPIRAN D
HASIL PERHITUNGAN *POST HOC TEST (Tukey HSD)*

Multiple Comparisons

Berat Badan Setiap Kelompok

Tukey HSD

| (I) kelompok | (J) kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----------------|-----------------|-----------------------------|---------------|-------|----------------------------|----------------|
| | | | | | Lower Bound | Upper Bound |
| k(-) | k(+1) | 6.80 [*] | 1.214 | .000 | 2.90 | 10.70 |
| | k(+2) | 4.76 [*] | 1.214 | .010 | .86 | 8.66 |
| | k(+3) | 9.26 [*] | 1.214 | .000 | 5.36 | 13.16 |
| | P1 | 8.04 [*] | 1.214 | .000 | 4.14 | 11.94 |
| | P2 | 5.32 [*] | 1.214 | .003 | 1.42 | 9.22 |
| | P3 | 7.28 [*] | 1.214 | .000 | 3.38 | 11.18 |
| k(+1) | k(-) | -6.80 [*] | 1.214 | .000 | -10.70 | -2.90 |
| | k(+2) | -2.04 | 1.214 | .634 | -5.94 | 1.86 |
| | k(+3) | 2.46 | 1.214 | .425 | -1.44 | 6.36 |
| | P1 | 1.24 | 1.214 | .944 | s-2.66 | 5.14 |
| | P2 | -1.48 | 1.214 | .880 | -5.38 | 2.42 |
| | P3 | .48 | 1.214 | 1.000 | -3.42 | 4.38 |
| | k(-) | -4.76 [*] | 1.214 | .010 | -8.66 | -.86 |
| | k(+1) | 2.04 | 1.214 | .634 | -1.86 | 5.94 |
| | k(+3) | 4.50 [*] | 1.214 | .016 | .60 | 8.40 |
| k(+2) | P1 | 3.28 | 1.214 | .141 | -.62 | 7.18 |
| | P2 | .56 | 1.214 | .999 | -3.34 | 4.46 |
| | P3 | 2.52 | 1.214 | .397 | -1.38 | 6.42 |
| | k(-) | -9.26 [*] | 1.214 | .000 | -13.16 | -5.36 |

| | | | | | | |
|----|------|--------|-------|-------|--------|-------|
| P1 | k(+) | -2.46 | 1.214 | .425 | -6.36 | 1.44 |
| | k(+) | -4.50* | 1.214 | .016 | -8.40 | -.60 |
| | P1 | -1.22 | 1.214 | .948 | -5.12 | 2.68 |
| | P2 | -3.94* | 1.214 | .046 | -7.84 | -.04 |
| | P3 | -1.98 | 1.214 | .665 | -5.88 | 1.92 |
| | k(-) | -8.04* | 1.214 | .000 | -11.94 | -4.14 |
| | k(+) | -1.24 | 1.214 | .944 | -5.14 | 2.66 |
| | k(+) | -3.28 | 1.214 | .141 | -7.18 | .62 |
| | k(+) | 1.22 | 1.214 | .948 | -2.68 | 5.12 |
| | P2 | -2.72 | 1.214 | .312 | -6.62 | 1.18 |
| | P3 | -.76 | 1.214 | .995 | -4.66 | 3.14 |
| | k(-) | -5.32* | 1.214 | .003 | -9.22 | -1.42 |
| | k(+) | 1.48 | 1.214 | .880 | -2.42 | 5.38 |
| | k(+) | -.56 | 1.214 | .999 | -4.46 | 3.34 |
| | k(+) | 3.94* | 1.214 | .046 | .04 | 7.84 |
| P2 | P1 | 2.72 | 1.214 | .312 | -1.18 | 6.62 |
| | P3 | 1.96 | 1.214 | .675 | -1.94 | 5.86 |
| | k(-) | -7.28* | 1.214 | .000 | -11.18 | -3.38 |
| | k(+) | -.48 | 1.214 | 1.000 | -4.38 | 3.42 |
| | k(+) | -2.52 | 1.214 | .397 | -6.42 | 1.38 |
| P3 | k(+) | 1.98 | 1.214 | .665 | -1.92 | 5.88 |
| | P1 | .76 | 1.214 | .995 | -3.14 | 4.66 |
| | P2 | -1.96 | 1.214 | .675 | -5.86 | 1.94 |

Based on observed means..

*. The mean difference is significant at the 0,05 level.

Multiple Comparisons

Berat Badan setiap minggu

Tukey HSD

| (I) Minggu | (J) Minggu | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---------------|------------|-----------------------------|---------------|-------|-------------------------|----------------|
| | | | | | Lower Bound | Upper Bound |
| Minggu 0 | Minggu I | 2.57 | 1.026 | .122 | -.45 | 5.59 |
| | Minggu II | 3.00 | 1.026 | .052 | -.02 | 6.02 |
| | Minggu III | 4.66 [*] | 1.026 | .001 | 1.64 | 7.68 |
| | Minggu IV | 4.64 [*] | 1.026 | .001 | 1.62 | 7.66 |
| Minggu I | Minggu 0 | -2.57 | 1.026 | .122 | -5.59 | .45 |
| | Minggu II | .43 | 1.026 | .993 | -2.59 | 3.45 |
| | Minggu III | 2.09 | 1.026 | .281 | -.94 | 5.11 |
| | Minggu IV | 2.07 | 1.026 | .287 | -.95 | 5.09 |
| Minggu II | Minggu 0 | -3.00 | 1.026 | .052 | -6.02 | .02 |
| | Minggu I | -.43 | 1.026 | .993 | -3.45 | 2.59 |
| | Minggu III | 1.66 | 1.026 | .502 | -1.36 | 4.68 |
| | Minggu IV | 1.64 | 1.026 | .511 | -1.38 | 4.66 |
| Minggu III | Minggu 0 | -4.66 [*] | 1.026 | .001 | -7.68 | -1.64 |
| | Minggu I | -2.09 | 1.026 | .281 | -5.11 | .94 |
| | Minggu II | -1.66 | 1.026 | .502 | -4.68 | 1.36 |
| | Minggu IV | -.01 | 1.026 | 1.000 | -3.04 | 3.01 |
| Minggu IV | Minggu 0 | -4.64 [*] | 1.026 | .001 | -7.66 | -1.62 |
| | Minggu I | -2.07 | 1.026 | .287 | -5.09 | .95 |
| | Minggu II | -1.64 | 1.026 | .511 | -4.66 | 1.38 |
| | Minggu III | .01 | 1.026 | 1.000 | -3.01 | 3.04 |

Based on observed means.

*. The mean difference is significant at the 0,05 level.

Multiple Comparisons

Waktu (Uji Fungsi Memori)

Tukey HSD

| (I) kelompok | (J) kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------------|--------------------|-----------------------------|------------|-------|-------------------------|----------------|
| | | | | | Lower Bound | Upper Bound |
| Kontrol negatif | k1+ | -48.1660 | 25.54900 | .499 | -126.4010 | 30.0690 |
| | k2+ | -30.8660 | 25.54900 | .888 | -109.1010 | 47.3690 |
| | k3+ | -274.1660* | 27.09881 | .000 | -357.1467 | -191.1853 |
| | p1 | -55.5330 | 25.54900 | .327 | -133.7680 | 22.7020 |
| | p2 | -74.1660 | 25.54900 | .074 | -152.4010 | 4.0690 |
| | p3 | -379.4990* | 25.54900 | .000 | -457.7340 | -301.2640 |
| | kontrol negatif | 48.1660 | 25.54900 | .499 | -30.0690 | 126.4010 |
| K1+ | k2+ | 17.3000 | 25.54900 | .993 | -60.9350 | 95.5350 |
| | k3+ | -226.0000* | 27.09881 | .000 | -308.9807 | -143.0193 |
| | p1 | -7.3670 | 25.54900 | 1.000 | -85.6020 | 70.8680 |
| | p2 | -26.0000 | 25.54900 | .948 | -104.2350 | 52.2350 |
| | p3 | -331.3330* | 25.54900 | .000 | -409.5680 | -253.0980 |
| | kontrol negatif | 30.8660 | 25.54900 | .888 | -47.3690 | 109.1010 |
| | k1+ | -17.3000 | 25.54900 | .993 | -95.5350 | 60.9350 |
| K2+ | k3+ | -243.3000* | 27.09881 | .000 | -326.2807 | -160.3193 |
| | p1 | -24.6670 | 25.54900 | .959 | -102.9020 | 53.5680 |
| | p2 | -43.3000 | 25.54900 | .622 | -121.5350 | 34.9350 |
| | p3 | -348.6330* | 25.54900 | .000 | -426.8680 | -270.3980 |
| | kontrol negatif | 274.1660* | 27.09881 | .000 | 191.1853 | 357.1467 |
| K3+ | | | | | | |

| | | | | | | |
|----|---------|------------|----------|-------|-----------|-----------|
| P1 | k1+ | 226.0000* | 27.09881 | .000 | 143.0193 | 308.9807 |
| | k2+ | 243.3000* | 27.09881 | .000 | 160.3193 | 326.2807 |
| | p1 | 218.6330* | 27.09881 | .000 | 135.6523 | 301.6137 |
| | p2 | 200.0000* | 27.09881 | .000 | 117.0193 | 282.9807 |
| | p3 | -105.3330* | 27.09881 | .005 | -188.3137 | -22.3523 |
| | kontrol | 55.5330 | 25.54900 | .327 | -22.7020 | 133.7680 |
| | negatif | | | | | |
| | k1+ | 7.3670 | 25.54900 | 1.000 | -70.8680 | 85.6020 |
| | k2+ | 24.6670 | 25.54900 | .959 | -53.5680 | 102.9020 |
| | k3+ | -218.6330* | 27.09881 | .000 | -301.6137 | -135.6523 |
| | p2 | -18.6330 | 25.54900 | .990 | -96.8680 | 59.6020 |
| | p3 | -323.9660* | 25.54900 | .000 | -402.2010 | -245.7310 |
| | kontrol | 74.1660 | 25.54900 | .074 | -4.0690 | 152.4010 |
| | negatif | | | | | |
| P2 | k1+ | 26.0000 | 25.54900 | .948 | -52.2350 | 104.2350 |
| | k2+ | 43.3000 | 25.54900 | .622 | -34.9350 | 121.5350 |
| | k3+ | -200.0000* | 27.09881 | .000 | -282.9807 | -117.0193 |
| | p1 | 18.6330 | 25.54900 | .990 | -59.6020 | 96.8680 |
| | p3 | -305.3330* | 25.54900 | .000 | -383.5680 | -227.0980 |
| | kontrol | 379.4990* | 25.54900 | .000 | 301.2640 | 457.7340 |
| | negatif | | | | | |
| P3 | k1+ | 331.3330* | 25.54900 | .000 | 253.0980 | 409.5680 |
| | k2+ | 348.6330* | 25.54900 | .000 | 270.3980 | 426.8680 |
| | k3+ | 105.3330* | 27.09881 | .005 | 22.3523 | 188.3137 |
| | p1 | 323.9660* | 25.54900 | .000 | 245.7310 | 402.2010 |
| | p2 | 305.3330* | 25.54900 | .000 | 227.0980 | 383.5680 |

Based on observed means.

*. The mean difference is significant at the 0,05 level.